



California State Fire Marshal
National Fire Incident Reporting System

Data as of: 03/19/2007 3:33:25PM

FDID Range:
0 to No Upper Bound

Incident Date Range:
01/01/2003 to 12/31/2006

Incident Type:
111 to 123

Automatic Fire Extinguisher System Failure, 2003-2006

<u>Incident</u> <u>Year</u> 2003	<u>AES Failure</u> <u>Reason</u>	<u>AES</u> <u>Type</u>	<u>Incident</u> <u>Count</u>	<u>Property</u> <u>Losses</u>	<u>Contents</u> <u>Losses</u>	<u>Fire Service</u> <u>Injuries</u>	<u>Fire Service</u> <u>Deaths</u>	<u>Civilian</u> <u>Injuries</u>	<u>Civilian</u> <u>Deaths</u>
	(Unspecified)								
		Dry chemical system	2	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	2	\$15,000	\$7,500	0	0	0	0
		Subtotal	4	\$15,000	\$7,500	0	0	0	0
	Fire not in area protected by the system								
		Dry chemical system	3	\$150,300	\$175,200	0	0	0	0
		Other sprinkler system	1	\$30,000	\$30,000	0	0	0	0
		Wet pipe sprinkler	2	\$7,000	\$0	0	0	0	0
		Subtotal	6	\$187,300	\$205,200	0	0	0	0
	Inappropriate system for the type of fire								
		Dry chemical system	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	1	\$10,000	\$5,000	0	0	0	0
		Subtotal	2	\$10,000	\$5,000	0	0	0	0
	Lack of maintenance, including corrosion or heads								
		Dry chemical system	1	\$2,000	\$500	0	0	0	0
		Subtotal	1	\$2,000	\$500	0	0	0	0
	Manual intervention defeated the system								
		Undetermined	1	\$0	\$200	0	0	0	0
		Wet pipe sprinkler	3	\$61,300	\$60,150	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2006

<u>Incident Year</u>	<u>AES Failure Reason</u>	<u>AES Type</u>		<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
			Subtotal	4	\$61,300	\$60,350	0	0	0	0
	Reason system not effective, other									
		Dry chemical system		1	\$0	\$0	0	0	0	0
		Other		3	\$0	\$1,000	0	0	0	0
		Wet pipe sprinkler		1	\$0	\$0	0	0	0	0
		Subtotal		5	\$0	\$1,000	0	0	0	0
	System shut off									
		Carbon dioxide (CO2) system		1	\$0	\$0	0	0	0	0
		Dry chemical system		1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler		3	\$200,000	\$40,000	0	0	0	0
		Subtotal		5	\$200,000	\$40,000	0	0	0	0
	Undetermined									
		Dry chemical system		2	\$90,000	\$38,500	0	0	0	0
		Other		1	\$1,000	\$100	0	0	0	0
		Other sprinkler system		1	\$3,000	\$2,000	0	0	0	0
		Wet pipe sprinkler		3	\$410,000	\$1,000	0	0	0	0
		Subtotal		7	\$504,000	\$41,600	0	0	0	0
2003		Total		34	\$979,600	\$361,150	0	0	0	0
2004										
	(Unspecified)									
		Other sprinkler system		1	\$100	\$0	0	0	0	0
		Wet pipe sprinkler		5	\$0	\$500	0	0	0	0
		Subtotal		6	\$100	\$500	0	0	0	0
	Fire not in area protected by the system									
		(Unspecified)		1	\$0	\$0	0	0	0	0
		Carbon dioxide (CO2) system		1	\$20,000	\$0	0	0	0	0
		Dry chemical system		4	\$4,950	\$6,000	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2006

<u>Incident Year</u>	<u>AES Failure Reason</u>	<u>AES Type</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
		Undetermined	2	\$2,500	\$1	0	0	0	0
		Wet pipe sprinkler	11	\$200,500	\$106,500	0	0	0	0
		Subtotal	19	\$227,950	\$112,501	0	0	0	0
	Lack of maintenance, including corrosion or heads								
		Dry chemical system	1	\$2,000	\$3,000	0	0	0	0
		Subtotal	1	\$2,000	\$3,000	0	0	0	0
	Manual intervention defeated the system								
		Wet pipe sprinkler	1	\$0	\$0	0	0	0	0
		Subtotal	1	\$0	\$0	0	0	0	0
	Not enough agent discharged to control the fire								
		Wet pipe sprinkler	1	\$0	\$0	0	0	0	0
		Subtotal	1	\$0	\$0	0	0	0	0
	Reason system not effective, other								
		Dry chemical system	2	\$10,000	\$100,000	0	0	0	0
		Undetermined	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	4	\$315,000	\$15,025	0	0	0	0
		Subtotal	7	\$325,000	\$115,025	0	0	0	0
	System components damaged								
		Wet pipe sprinkler	1	\$10,000,000	\$25,000,000	0	0	0	0
		Subtotal	1	\$10,000,000	\$25,000,000	0	0	0	0
	System shut off								
		Dry chemical system	1	\$500	\$1,000	0	0	0	0
		Halogen type system	1	\$3,500	\$8,000	0	0	0	0
		Wet pipe sprinkler	9	\$2,380,334	\$226,167	0	0	1	0
		Subtotal	11	\$2,384,334	\$235,167	0	0	1	0
	Undetermined								
		Dry chemical system	5	\$36,100	\$19,800	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2006

<u>Incident Year</u>	<u>AES Failure Reason</u>	<u>AES Type</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
		Halogen type system	1	\$0	\$0	0	0	0	0
		Other	1	\$6,000	\$3,000	0	0	0	0
		Undetermined	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	1	\$1,000	\$200	0	0	0	0
		Subtotal	9	\$43,100	\$23,000	0	0	0	0
	2004	Total	56	\$12,982,484	\$25,489,193	0	0	1	0
2005									
	(Unspecified)								
		(Unspecified)	2	\$82,000	\$10,500	0	0	0	0
		Dry chemical system	2	\$31,000	\$20,100	0	0	0	0
		Other sprinkler system	1	\$0	\$500	0	0	0	0
		Undetermined	2	\$251,000	\$100,500	0	0	0	1
		Wet pipe sprinkler	4	\$2,150	\$150	0	0	0	0
		Subtotal	11	\$366,150	\$131,750	0	0	0	1
	Fire not in area protected by the system								
		Dry chemical system	5	\$275,000	\$77,000	0	0	0	0
		Other sprinkler system	1	\$5,000	\$0	0	0	0	0
		Undetermined	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	28	\$373,100	\$35,102	0	0	1	0
		Subtotal	35	\$653,100	\$112,102	0	0	1	0
	Inappropriate system for the type of fire								
		Dry chemical system	1	\$200,000	\$80,000	0	0	0	0
		Wet pipe sprinkler	1	\$50,000	\$300,000	0	0	0	0
		Subtotal	2	\$250,000	\$380,000	0	0	0	0
	Lack of maintenance, including corrosion or heads								
		Dry chemical system	1	\$0	\$200	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2006

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		Other sprinkler system	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	2	\$10,000	\$6,100,000	0	0	0	0
		Subtotal	4	\$10,000	\$6,100,200	0	0	0	0
	Manual intervention defeated the system								
		Dry chemical system	1	\$3,500	\$0	0	0	0	0
		Subtotal	1	\$3,500	\$0	0	0	0	0
	Reason system not effective, other								
		Carbon dioxide (CO2) system	1	\$1,500	\$1,500	0	0	0	0
		Dry chemical system	1	\$30,000	\$5,000	0	0	0	0
		Wet pipe sprinkler	5	\$111,100	\$77,000	0	0	1	0
		Subtotal	7	\$142,600	\$83,500	0	0	1	0
	System components damaged								
		Dry chemical system	1	\$2,000	\$1,000	1	0	0	0
		Subtotal	1	\$2,000	\$1,000	1	0	0	0
	System shut off								
		Foam system	1	\$0	\$0	0	0	0	0
		Other sprinkler system	2	\$750,000	\$50,000	0	0	0	0
		Wet pipe sprinkler	9	\$81,000	\$10,000	0	0	0	0
		Subtotal	12	\$831,000	\$60,000	0	0	0	0
	Undetermined								
		Dry chemical system	6	\$10,001	\$15,001	0	0	0	0
		Other	1	\$5,000	\$5,000	0	0	0	0
		Undetermined	2	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	8	\$191,000	\$78,300	0	0	0	0
		Subtotal	17	\$206,001	\$98,301	0	0	0	0
2005	Total		90	\$2,464,351	\$6,966,853	1	0	2	1

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	(Unspecified)								
		Other sprinkler system	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	4	\$2,500	\$5,200	0	0	0	0
		Subtotal	5	\$2,500	\$5,200	0	0	0	0
	Fire not in area protected by the system								
		Dry chemical system	2	\$500	\$200	0	0	0	0
		Foam system	1	\$0	\$250	0	0	0	0
		Other	1	\$100,000	\$1,000	0	0	0	0
		Undetermined	1	\$250,000	\$1,000	0	0	0	0
		Wet pipe sprinkler	9	\$1,289,520	\$265,610	0	0	0	0
		Subtotal	14	\$1,640,020	\$268,060	0	0	0	0
	Inappropriate system for the type of fire								
		Other	1	\$100	\$100	0	0	0	0
		Subtotal	1	\$100	\$100	0	0	0	0
	Not enough agent discharged to control the fire								
		Undetermined	1	\$0	\$25	0	0	0	0
		Subtotal	1	\$0	\$25	0	0	0	0
	Reason system not effective, other								
		Dry chemical system	1	\$0	\$1,000	0	0	0	0
		Wet pipe sprinkler	3	\$298,500	\$10,000	0	0	0	0
		Subtotal	4	\$298,500	\$11,000	0	0	0	0
	System components damaged								
		Wet pipe sprinkler	1	\$15,000	\$0	0	0	0	0
		Subtotal	1	\$15,000	\$0	0	0	0	0
	System shut off								
		Wet pipe sprinkler	2	\$1,000	\$250,000	0	0	0	0
		Subtotal	2	\$1,000	\$250,000	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2006

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	Undetermined								
		Carbon dioxide (CO2) system	2	\$0	\$116,000	0	0	0	0
		Dry chemical system	2	\$1,000	\$1,000	0	0	0	0
		Dry pipe sprinkler	1	\$200	\$2,500	0	0	0	0
		Undetermined	1	\$2,000	\$5,000	0	0	0	0
		Wet pipe sprinkler	5	\$27,000	\$24,202	0	0	0	0
		Subtotal	11	\$30,200	\$148,702	0	0	0	0
2006		Total	39	\$1,987,320	\$683,087	0	0	0	0
		Grand Total	219	\$18,413,755	\$33,500,283	1	0	3	1

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.

Automatic Fire Extinguisher System Failure, 2003-2006

Parameters:

FDID Range: 0 to No Upper Bound

Incident Date Range: 01/01/2003 to 12/31/2006

Incident Type: 111 to 123

Selection Criteria:

{INCIDENTKEY.FDID}={?FDIDrange} and
{INCIDENTKEY.IN_STATUS}='V' and
{INCIDENTKEY.IN_DATE}={?IncidentDateRange} and

{IN_BASIC.IN_TYPE}={?IncidentType}
and {FIRE_STRUCTURE.STR_AESPRESENCE}='1'
and {FIRE_STRUCTURE.STR_AESOPERATION}='4'